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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/044,187	01/10/2002	Wang-seup Yeum	SAM-0303	9776	
75	590 06/27/2005		EXAMINER		
Steven M. Mil	lls		NGO, CH	UONG D	
MILLS & ONE Suite 605	LLO LLP		ART UNIT	PAPER NUMBER	
Eleven Beacon Street			2193	2193	
Boston, MA	02108	•	DATE MAILED: 06/27/2005	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	
		10/044,187	YEUM, WANG-SEUP	
	Office Action Summary	Examiner	Art Unit	
		Chuong D. Ngo	2193	
Period fo	The MAILING DATE of this communication ap	ppears on the cover sheet w	ith the correspondence address	
A SH THE - Externation - If the - If NC - Failu Any I	ORTENED STATUTORY PERIOD FOR REP MAILING DATE OF THIS COMMUNICATION nsions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a represent of the property of the maximum statutory period for reply within the set or extended period for reply will, by statutely reply received by the Office later than three months after the mailed patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a ply within the statutory minimum of thin a will apply and will expire SIX (6) MOI te, cause the application to become A	reply be timely filed ty (30) days will be considered timely. ITHS from the mailing date of this communication. BANDONED (35 U.S.C. & 133).	
Status				
2a) <u></u> □	Responsive to communication(s) filed on 10. This action is FINAL . 2b) The Since this application is in condition for allow closed in accordance with the practice under	is action is non-final. ance except for formal mat		
Dispositi	on of Claims			
5)□ 6)⊠ 7)⊠	Claim(s) <u>1-6</u> is/are pending in the application 4a) Of the above claim(s) is/are withdrawith Claim(s) is/are allowed. Claim(s) <u>1-3</u> is/are rejected. Claim(s) <u>4-6</u> is/are objected to. Claim(s) are subject to restriction and/	awn from consideration.	`	
Applicati	on Papers			
10)🖂	The specification is objected to by the Examir The drawing(s) filed on 10 January 2002 is/ar Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Example 1.	e: a)⊠ accepted or b)⊡ c e drawing(s) be held in abeya ction is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).	
Priority u	ınder 35 U.S.C. § 119		·	
a)[Acknowledgment is made of a claim for foreig All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Bures see the attached detailed Office action for a list	nts have been received. Its have been received in A Ority documents have been It (PCT Rule 17.2(a)).	pplication No received in this National Stage	
A44	V-3			
2) Notic 3) Information Paper	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 r No(s)/Mail Date	Paper No(Summary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152) 	
.S. Patent and Tr PTOL-326 (R		Action Summary	Part of Paper No./Mail Date 20050622	1/8

DETAILED ACTION

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chen et al. (5,432,723).

Chen discloses in figure 3 a circuit for implementing IIR filter (see figure 1) having an inputting portion (81-84), an arithmetic portion (85,86), output data portion (87-89), and an inherent/obvious multiplexing means for providing corresponding two out of four data (X0,X1,Y0,Y1) from the inputting portion to the two input of the multiplier (85). It is noted that Chen et al. does not specifically disclose a use of the circuit for a digital base boosters. However, since the implementing a digital base booster by an IIR filter is well-known in the art, it would have been an obvious field of use to a person of ordinary skill in the art to employ the circuit of Chen et al. in implementing a digital base boosters.

3. Claims 4-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuong D. Ngo whose telephone number is (571) 272-3731. The examiner can normally be reached on Tuesday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chuong D Ngo Primary Examiner

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06/22/2005